

Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A therapy combination ~~which comprises~~ comprising:
a locating unit for locating a therapy zone within an object; ~~and also comprises~~
a therapy unit which is provided with a therapy head for focusing energy in a focus, the therapy unit and the locating unit being movable relative to one another; ~~and~~ ,
~~there also being provided~~
a measuring device which comprises two sub-systems and serves to determine the relative position of the two sub-systems, one sub-system being attached to the locating unit while the other sub-system is attached to the therapy unit in a defined position relative to the therapy head, wherein the locating unit enables an alignment of the focus of the therapy head relative to a central ray in the therapy zone in response to a determination of the relative position and orientation of the two-subsystems with respect to one another, wherein the sub-system attached to the locating unit includes at least three receivers arranged in a manner that defines a triangle, and wherein the other sub-system attached to the therapy unit includes at least three transmitters arranged in a manner that defines a polygon, the at least three transmitters configured to successively transmit pulse-shaped signals, wherein the sub-system attached to the locating unit is configured to receive the successively transmitted signals from an active one of the at least three transmitters and measure the times of flight of the signals from a respective active transmitter to each of the at least three receivers, the sub-system attached to the locating unit further for measuring times of flight from all transmitters to all receivers.
2. (Previously Presented) A therapy combination as claimed in claim 1, which comprises a display unit for the display of images formed by means of the locating unit, and also

comprises means for determining the position of the focus in an image formed by the locating unit from the determined relative position of the sub-systems, and also means for generating a mark characterizing the position in the image.

3. (Previously Presented) A therapy combination as claimed in claim 1, in which one sub-system comprises an ultrasound transmission unit with at least three ultrasound transmitters which are situated at a distance from one another whereas the other sub-system includes an ultrasound receiving unit with at least three ultrasound receivers which are situated at a distance from one another, there being provided means for measuring the times of flight of the ultrasound signals from the ultrasound transmitters to the ultrasound receivers and means for determining the position of the ultrasound receiving unit relative to the ultrasound transmission unit.

4. (Previously Presented) A therapy combination as claimed in claim 1, in which the therapy unit and the locating unit are displaceable on a respective carriage.

5. (Previously Presented) A therapy combination as claimed in claim 1, which comprises a locating system provided with an X-ray source and an X-ray image converter.

6. (Previously Presented) A therapy combination as claimed in claim 5, in which the X-ray source and the X-ray image converter are attached to the ends of a C-arm, the associated sub-system of the measuring device being attached to the C-arm or to one of the components attached thereto, preferably to the X-ray image converter.

7. (Previously Presented) A therapy combination as claimed in claim 6, in which the sub-system associated with the locating unit is attached to the X-ray image converter or to the X-ray source, and a third sub-system which co-operates therewith is attached to

the X-ray source, or to the X-ray image converter, in order to monitor the relative position of the X-ray image converter and the X-ray source.

8. (Previously Presented) The use of a measuring device with two sub-systems-which are to be attached to the units of a therapy combination as claimed in claim 1 in order to determine the relative position of the two sub-systems or of the units.

9. (Previously Presented) A therapy system which comprises a therapy combination as claimed in claim 1 and a patient table whose table top can be displaced in three mutually perpendicular directions.